

IN THE SPECIFICATION:

The paragraph starting at page 18, line 26 and ending at page 19, line 16, has been amended as follows.

--As shown in Fig. 8, a color temperature conversion unit 81 is added to the colorimetric value estimation process shown in Fig. 6, whereby the conversion of the color temperature can be easily achieved. The color temperature conversion unit 81 converts the estimated output image data  $X'Y'Z'$  into image data  $X''Y''Z''$  under the illuminating light of a desired color temperature according to the following equation:

$$\begin{bmatrix} X'' \\ Y'' \\ Z'' \end{bmatrix} = CT \begin{bmatrix} X' \\ Y' \\ Z' \end{bmatrix} \quad H$$

for example by the method of Von. Kries utilizing a color temperature conversion matrix CT calculated by a color temperature conversion matrix calculating unit 82 using data stored in a data storage unit for calculating color temperature conversion matrix 83 and corresponding to the information (for example, XYZ stimulation values) relating to the arbitrary color temperature and given from the lighting characteristic coefficient instructing unit 64.--

The paragraph starting at page 20, line 2 and ending at line 12, has been amended as follows.

--The colorimetric values under desired illumination can be easily estimated and corrected, including the conversion of color temperature, by synthesizing the color temperature conversion matrix CT, calculated in the color temperature conversion matrix calculating unit 82, with the lighting characteristic matrix CR, calculated in the lighting characteristic matrix calculation unit 62, as indicated by the following formula to obtain a lighting characteristic matrix CR' including the color temperature conversion:

$$CR' = CT \cdot CR \quad I$$

and converting the image data by such matrix CR'.